

STRUCTURE OF CONTROL SIGNAL PART AND LIQUID CRYSTAL DISPLAY DEVICE

Patent number: JP2002090771

Publication date: 2002-03-27

Inventor: BUN KEIKA; RYU SHUKYO; KO SEIKAN; KIN EIYOKU; BOKU ZENGA;
KIN ZUIEI

Applicant: SAMSUNG ELECTRONICS CO LTD

Classification:


- International: G02F1/1345; G02F1/1368; G09F9/00; G09F9/30; G09F9/35; G09G3/20;
G09G3/36; H01L21/3205

- european:

Application number: JP20010118139 20010417

Priority number(s):

Also published as:

 **US2002054004 (A1)**

Abstract of JP2002090771

PROBLEM TO BE SOLVED: To provide a structure of a control signal part which prevents wires from being damaged by electrolysis and a liquid crystal display device which includes it.

SOLUTION: This liquid crystal display device is characterized by that gate signal connection wires formed on an insulating substrate 10 so as to connect a film 300 for data transmission and a film 400 for gate transmission together includes a high-voltage signal wire 201 transmitting a gate-on signal Von, a low-voltage signal wire 202 transmitting a gate-off voltage Voff, and a high-voltage redundancy wire 210 transmitting the same voltage as the gate-on voltage Von between the high-voltage signal wire 201 and low-voltage signal wire 202.

